

R E P O R T .

Baltimore, December 15th, 1841.

His Excellency WILLIAM GRASON,

Governor of Maryland:

I have the honor to lay herewith before your Excellency particulars of the progress, for the year about to close, of the work which has been committed to me—the Trigonometrical Survey for the new Map of Maryland.

1st. The secondary triangles, now in advance of the main triangulation, and serving equally the purposes of the United States Coast Survey and the object of the Map of Maryland, have been extended over a large part of Cecil county: and the station-points for these triangles, either erected or ready to be so, may be said to cover nearly the whole of that county, together with the edges of Kent county on the Eastern Shore and the district east of Abingdon in Harford county on this side of the Susquehanna, only an extension more northerly in Cecil county is yet required; both to connect, as a matter of scientific interest with the geodetic points of Mason and Dixon, and to bring the survey in a suitable shape in like manner into the most northern and western parts of Harford. Such an extension has been during part of the summer and fall, the object for me of a reconnoissance and examination not yet quite completed.

2nd. The station-points for the triangles have also been carried along the shores of the Chesapeake down to Kent Island, in preparation for the detail survey of the Bay. These points being already considerably in advance of the stations yet actually occupied, their continuation southwards will, I apprehend, properly follow the extension I before mentioned, of triangles through Harford into Baltimore county.

3rd. Such parts of the work as I have been describing are necessary preliminaries, requiring not less patience and judgment than the other operations which succeed them, though not so fertile in apparent results: for the data for the Map cannot be assumed as definitive until the main triangulation of the coast shall have